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# 18th Space Photovoltaic Research and Technology Conference

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April 2005

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# 18th Space Photovoltaic Research and Technology Conference

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held at Ohio Aerospace Institute  
and sponsored by NASA Glenn Research Center  
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This report is a formal draft or working paper, intended to solicit comments and ideas from a technical peer group.

This report contains preliminary findings, subject to revision as analysis proceeds.

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## Foreword

The 18th Space Photovoltaic Research and Technology Conference, SPRAT XVIII, was held from September 16 to 18, 2003. The purpose of the SPRAT conference is to bring members of the space solar cell community together to discuss the recent developments in solar cell technology and future directions of the field. The SPRAT conference is convened roughly every 2 years. The venue for SPRAT XVIII was the Ohio Aerospace Institute (OAI), located just outside the gate of the NASA Glenn Research Center at Lewis Field. SPRAT is sponsored by the Photovoltaic and Space Environmental Effects Branch at the NASA Glenn Research Center. The conference organizers were all NASA and OAI staff. They did an outstanding job and it was my pleasure to serve as chairman.

Representatives of industry, government, and universities presented topical papers on space solar cell and array technology. The SPRAT conference also holds a series of half-day workshops on current issues in space photovoltaics. The papers and workshop summaries are included in the SPRAT proceedings.

As the SPRAT XVIII chairman, I had the pleasure of awarding the Irving Weinberg Award to a researcher who has made significant contributions to space solar cell research and technology. The SPRAT XVIII Irving Weinberg Award went to Dr. Bruce Anspaugh of the Jet Propulsion Laboratory. He made significant contributions in the field of solar cell calibration and radiation damage. Dr. Anspaugh retired from JPL this year. I wish Bruce well and hope he has a long and happy life.

Phillip Jenkins

Chairman of the 18th Space Photovoltaic Research and Technology Conference



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